



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Sunday, September 9, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

## Today

- Areas of heavy rain/flash flooding possible across **S/SE TX** into **LA**.

## Monday - Tuesday

- Isolated areas of heavy rain/flash flooding possible along/near the **TX/LA** coasts.

## Wednesday - Thursday

- No significant weather impacts.

## Tropical Outlook

- Florence will strengthen into a major hurricane in the next day or two. Potential impacts to **FEMA Region IV** later this week.
- **TS Isaac** in the eastern **Atlantic** and will continue moving west this week. Isaac is expected to become a hurricane in the eastern **Caribbean** this week.
- **Helene** in the eastern **Atlantic** and will continue moving west, then a turn to the northwest. Impacts to **FEMA 6** are not likely.

# FEMA Region 6 Threat Matrix

Sept 9, 2018 – Sept 13, 2018



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DAY / THREAT	SUN	MON	TUE	WED	THU
Severe Storms					
Heavy Rain / Flash Flooding	S/SE TX into LA	TX/LA coasts	TX/LA coasts		
Fire Weather					
Tropical Weather					
River Flooding	TX	TX			

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

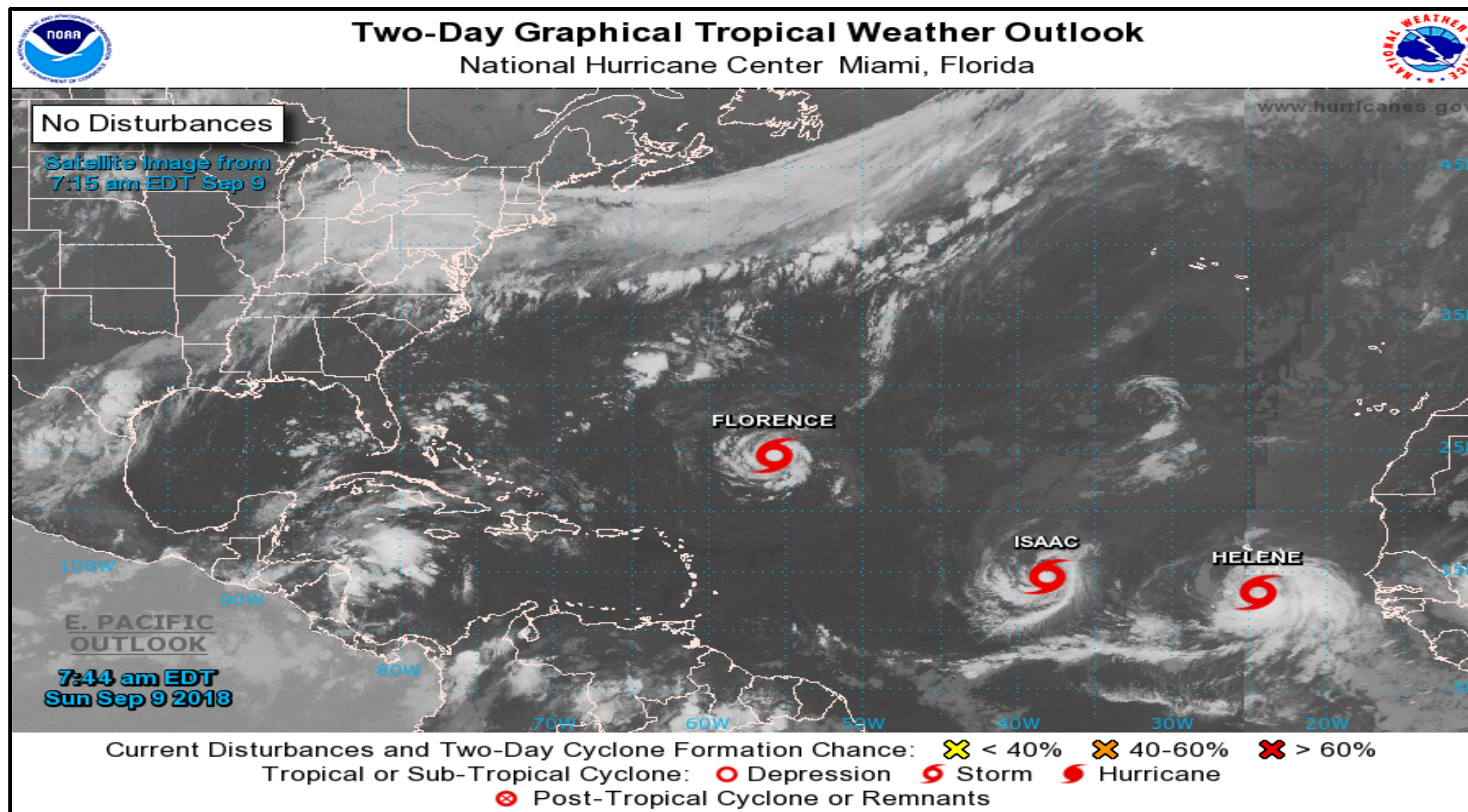
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



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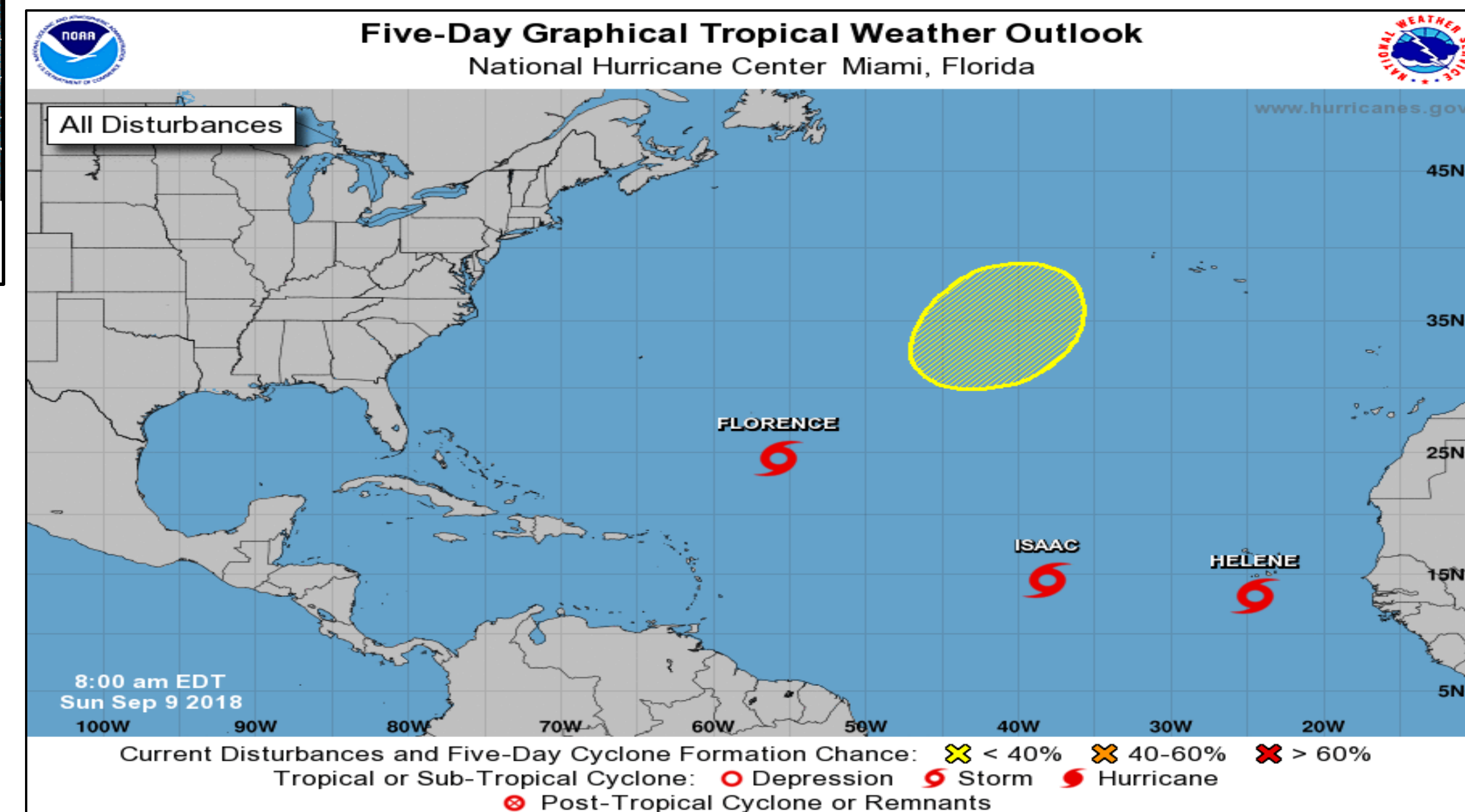


**A trough over the Central Atlantic may slowly develop with tropical characteristics in the next few days.**

**Formation chance through 48 hours...low...0%**

**Formation chance through 5 days...low...30%**

**See next slides for more information on Florence, Isaac, and Helene.**

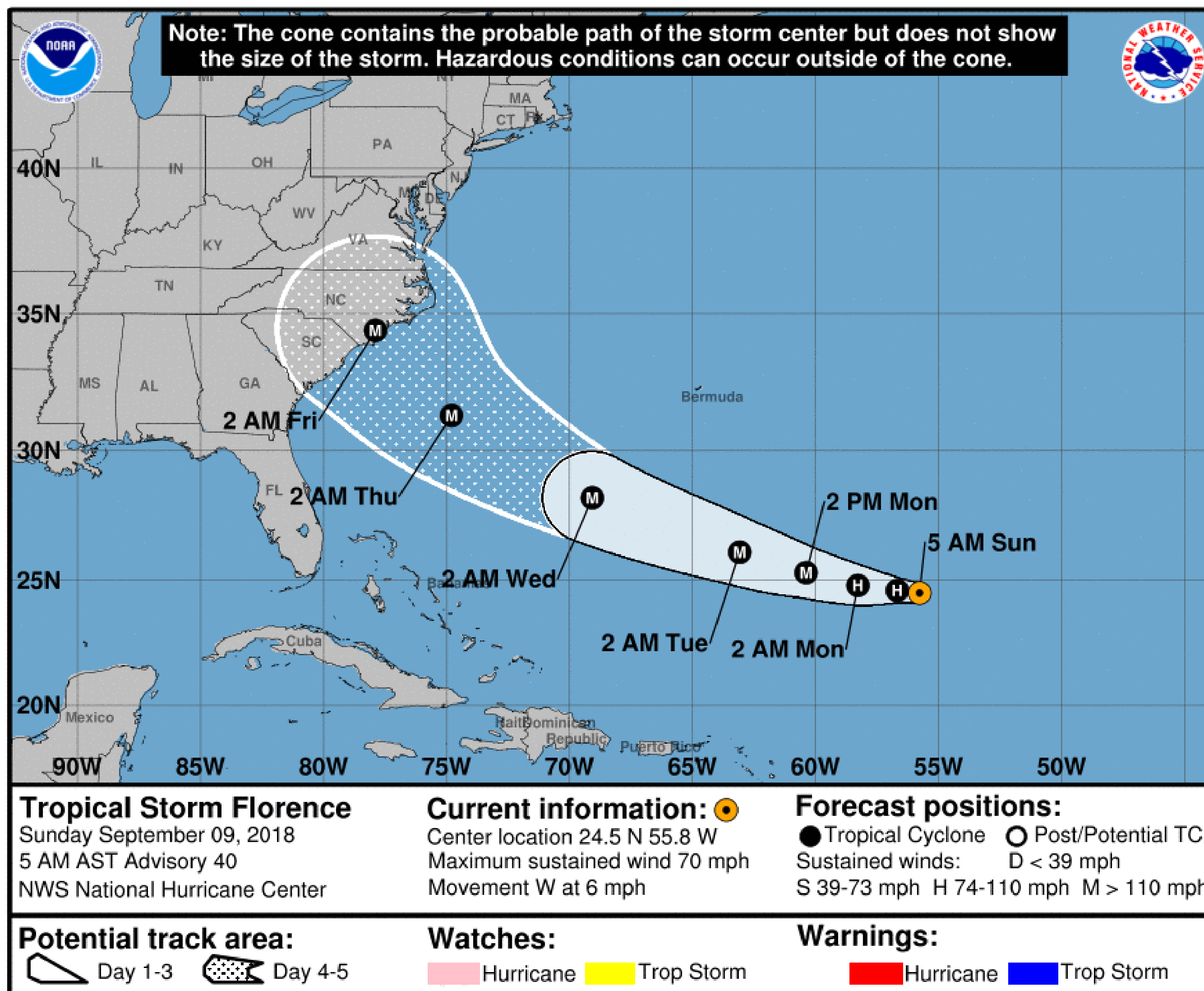




# Florence



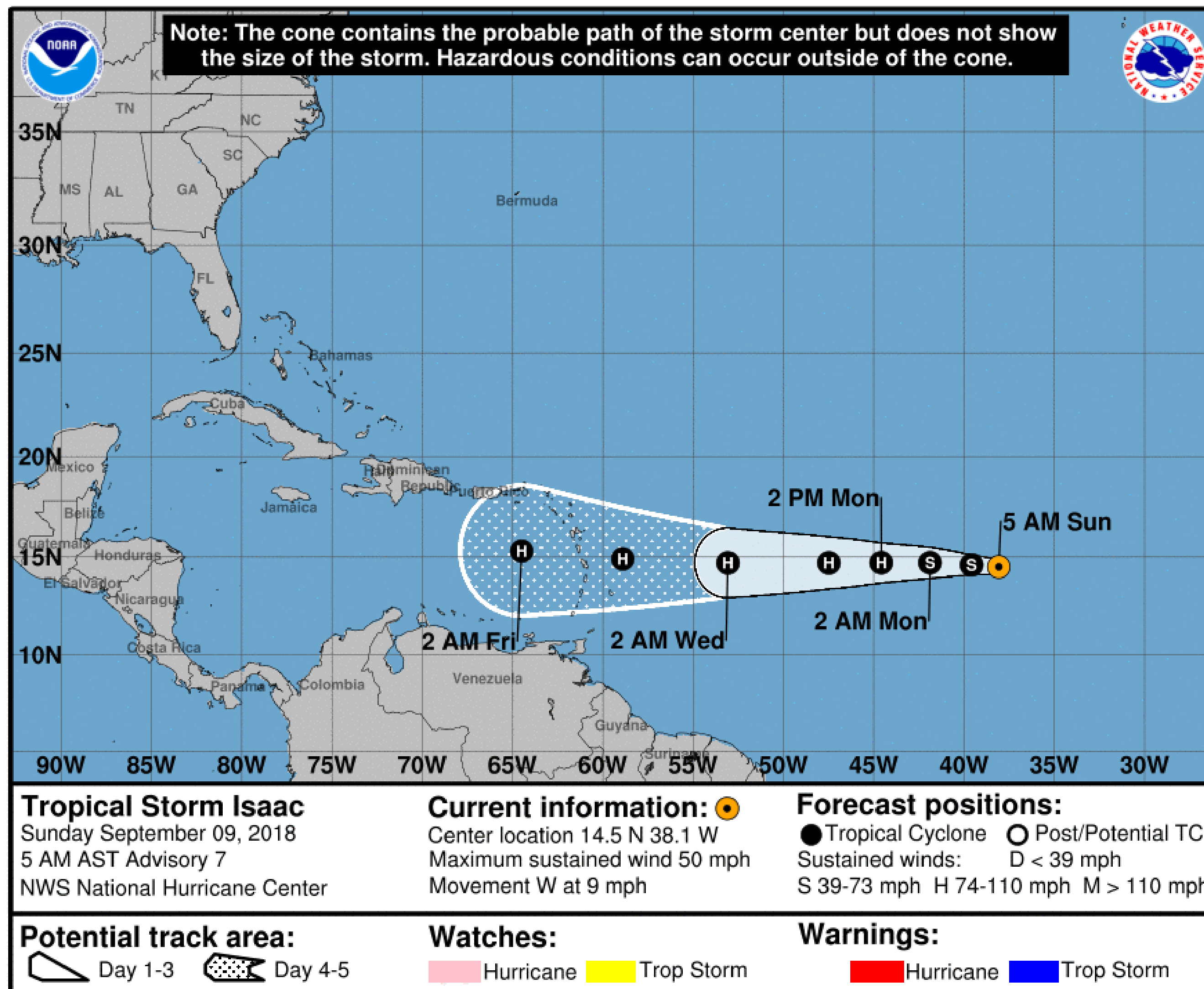
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Florence is moving toward the west at 6 mph and this motion is expected to continue. Florence is expected to approach the SE US coast on Thursday.

Maximum winds are near 70 mph with higher gusts. Gradual strengthening is expected and Florence should become a hurricane today and a major hurricane on Monday.

No Impacts to FEMA Region 6.



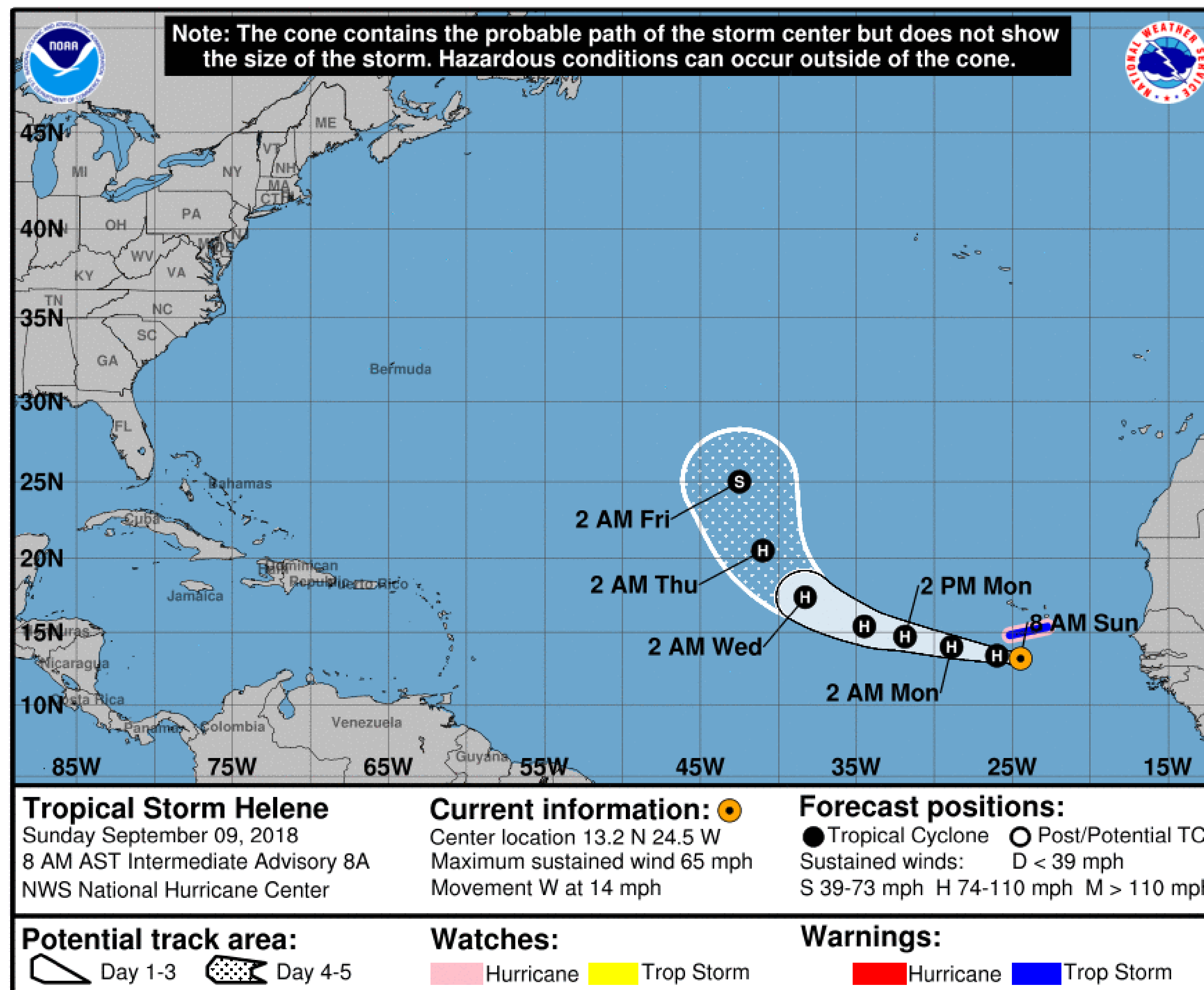
**TS Isaac is moving west at 9 mph. This motion is expected to continue with an increase in forward speed into early next week.**

**Maximum sustained winds are near 50 mph with higher gusts. Strengthening is forecast and the depression is expected to become Tropical Storm Isaac later today and become a hurricane by Monday.**

# Helene



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**Helene is moving toward the west at 14 mph. A turn to the west-northwest is expected this week.**

**Maximum winds are near 65 mph with higher gusts. No significant impacts to FEMA Region 6.**



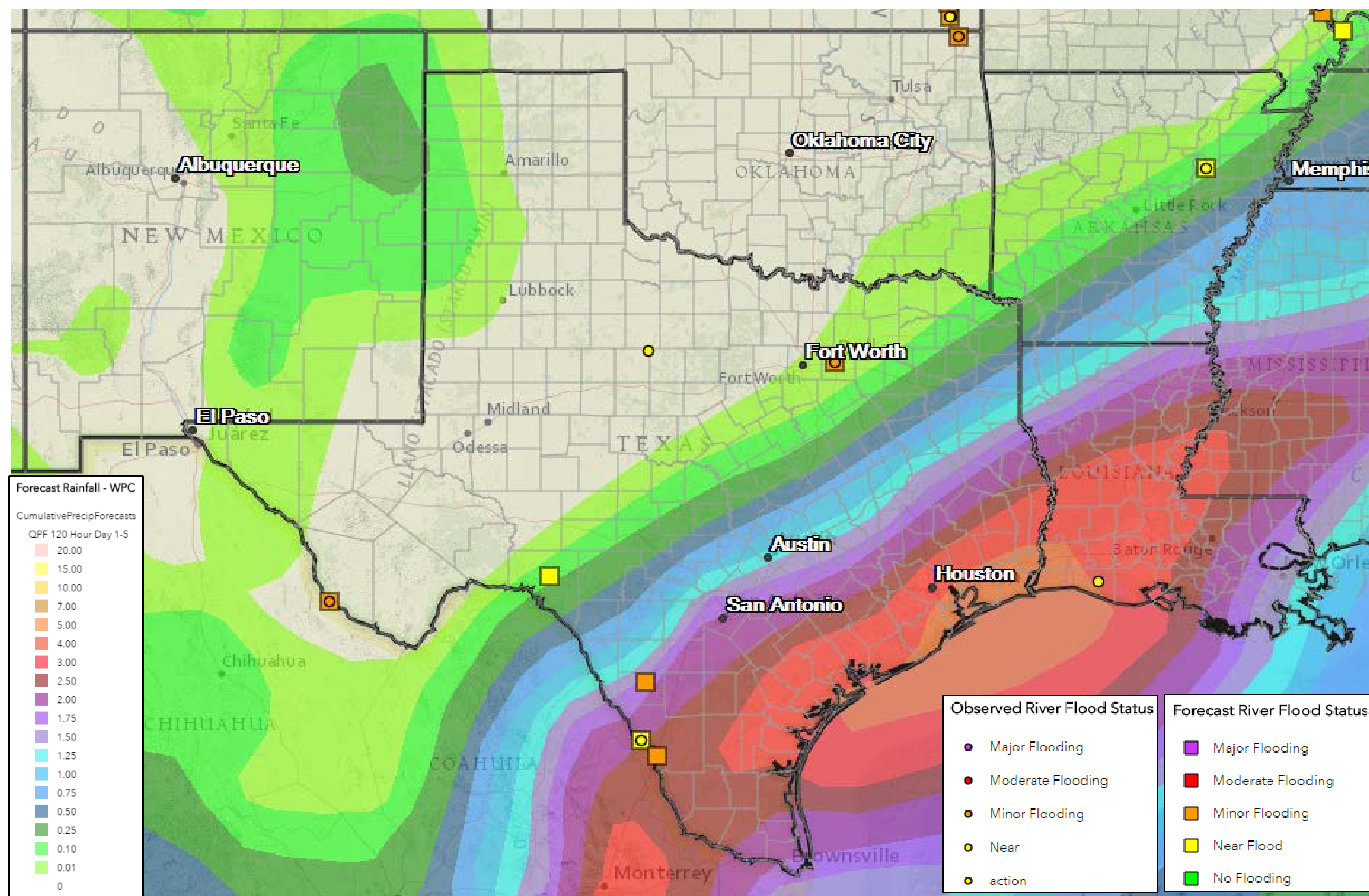
# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**Minor flooding possible for some rivers in TX.**





# Today's Weather

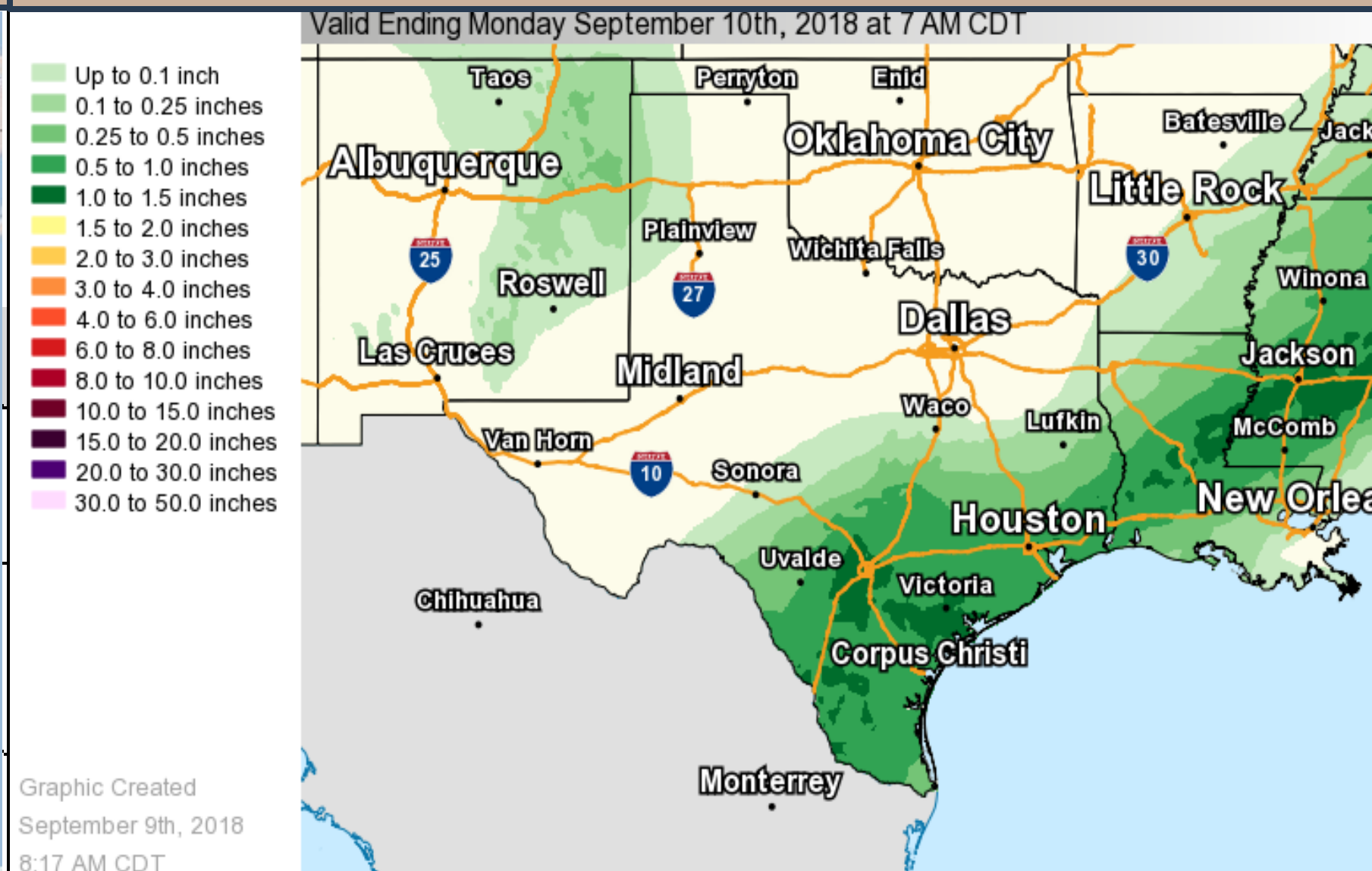
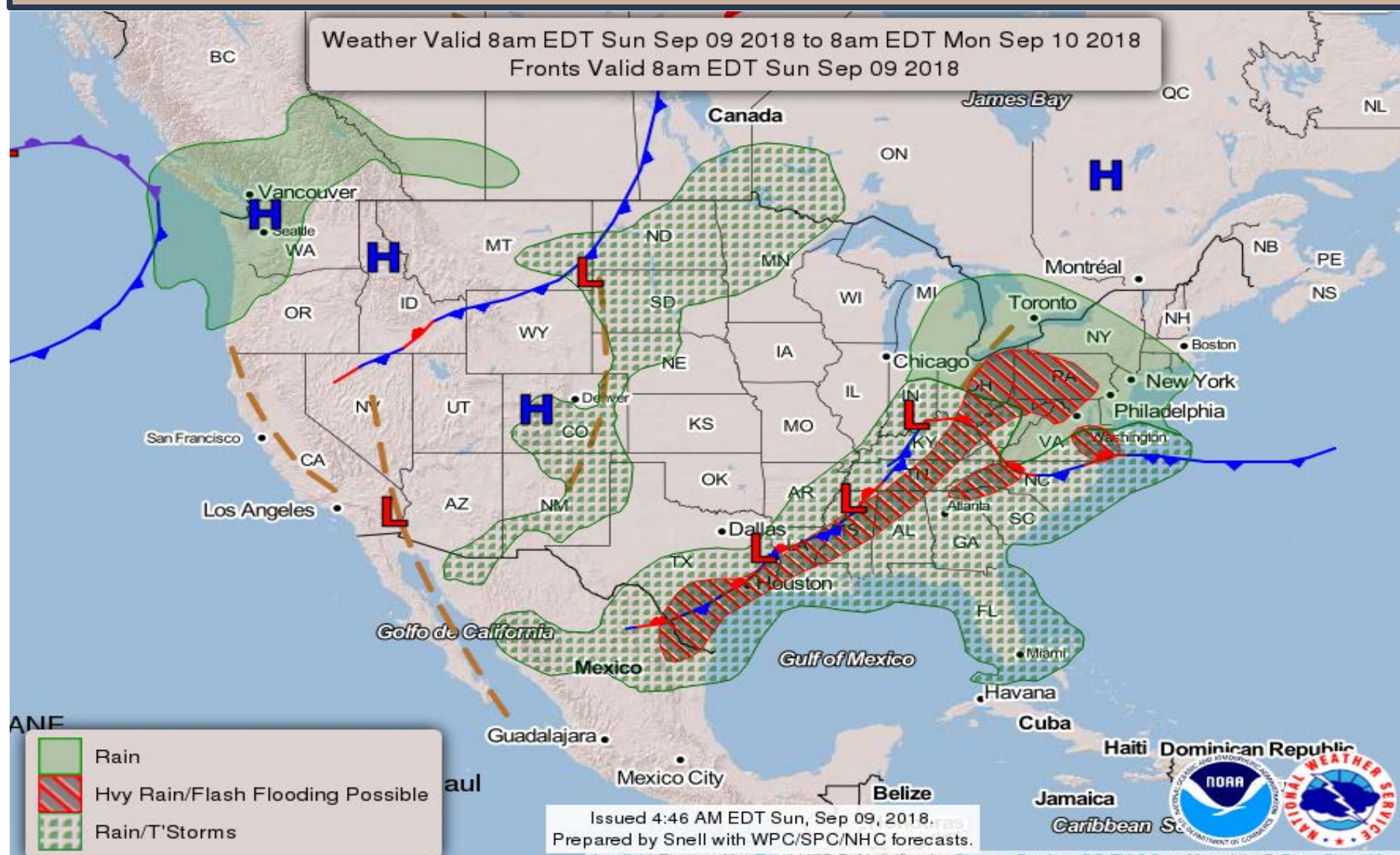


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## Forecast Chart

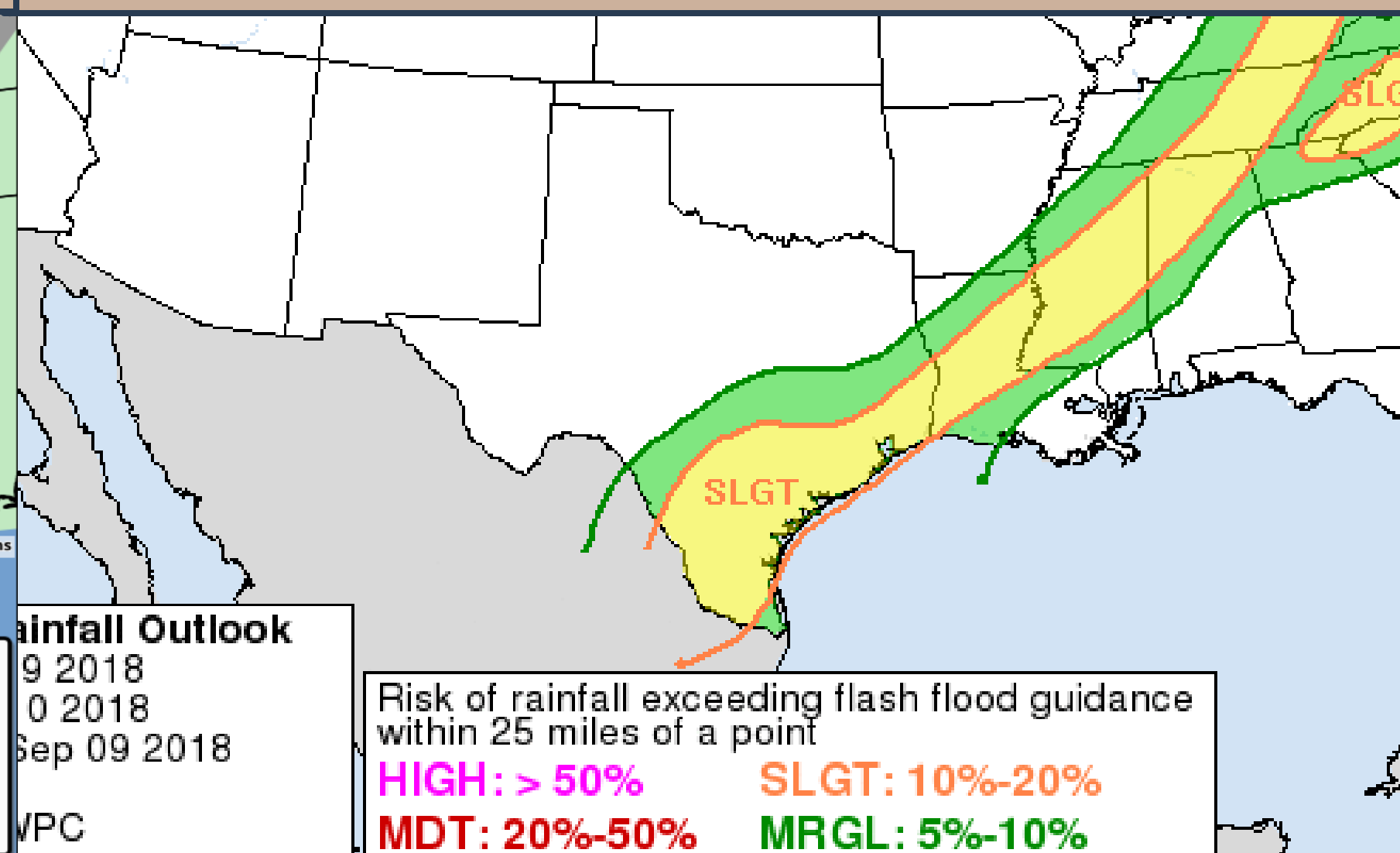
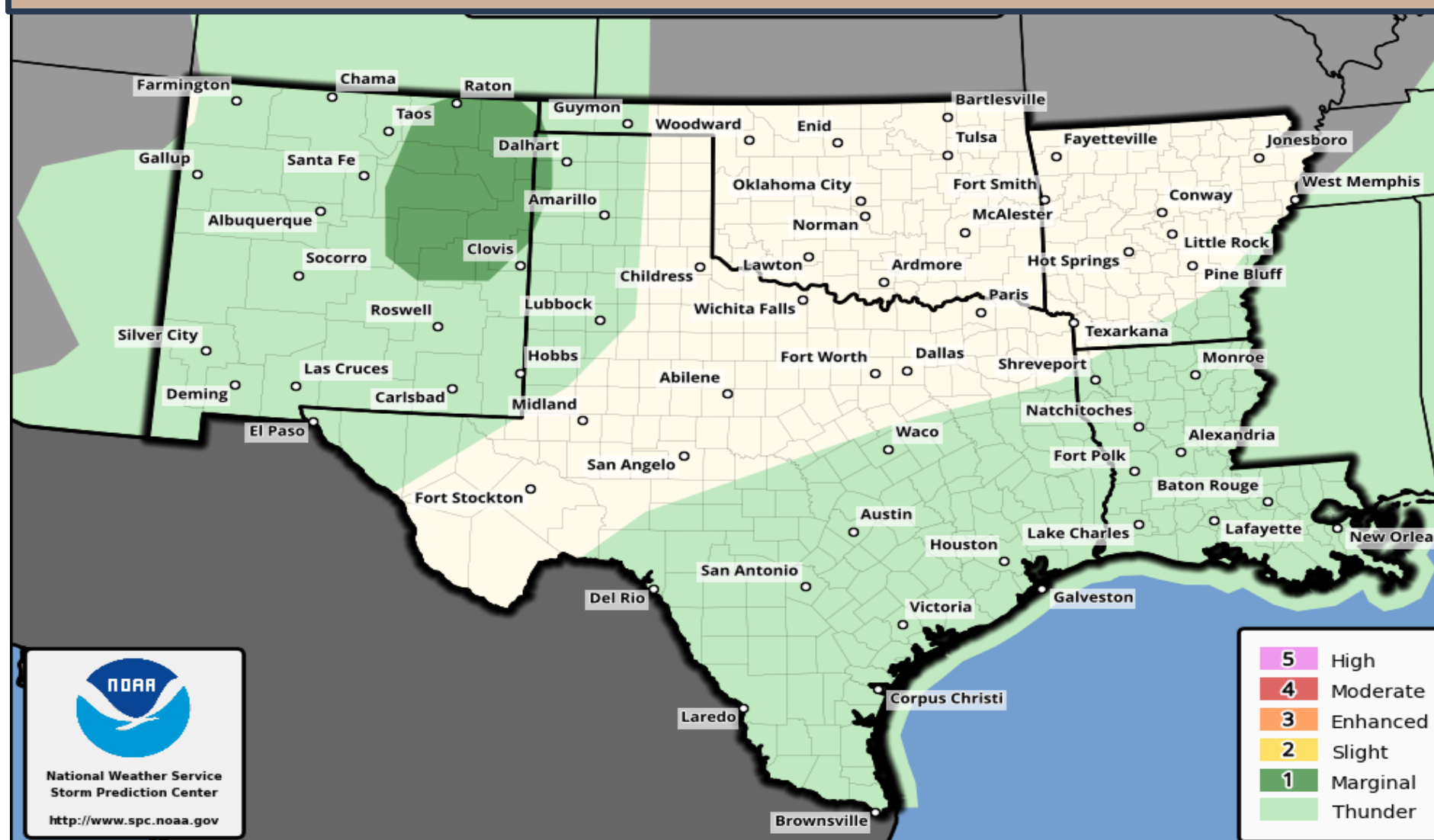
## Forecast Rainfall

Areas of heavy rain/flash  
flooding possible for  
S/SE TX into LA.



## Severe Weather Outlook

## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories



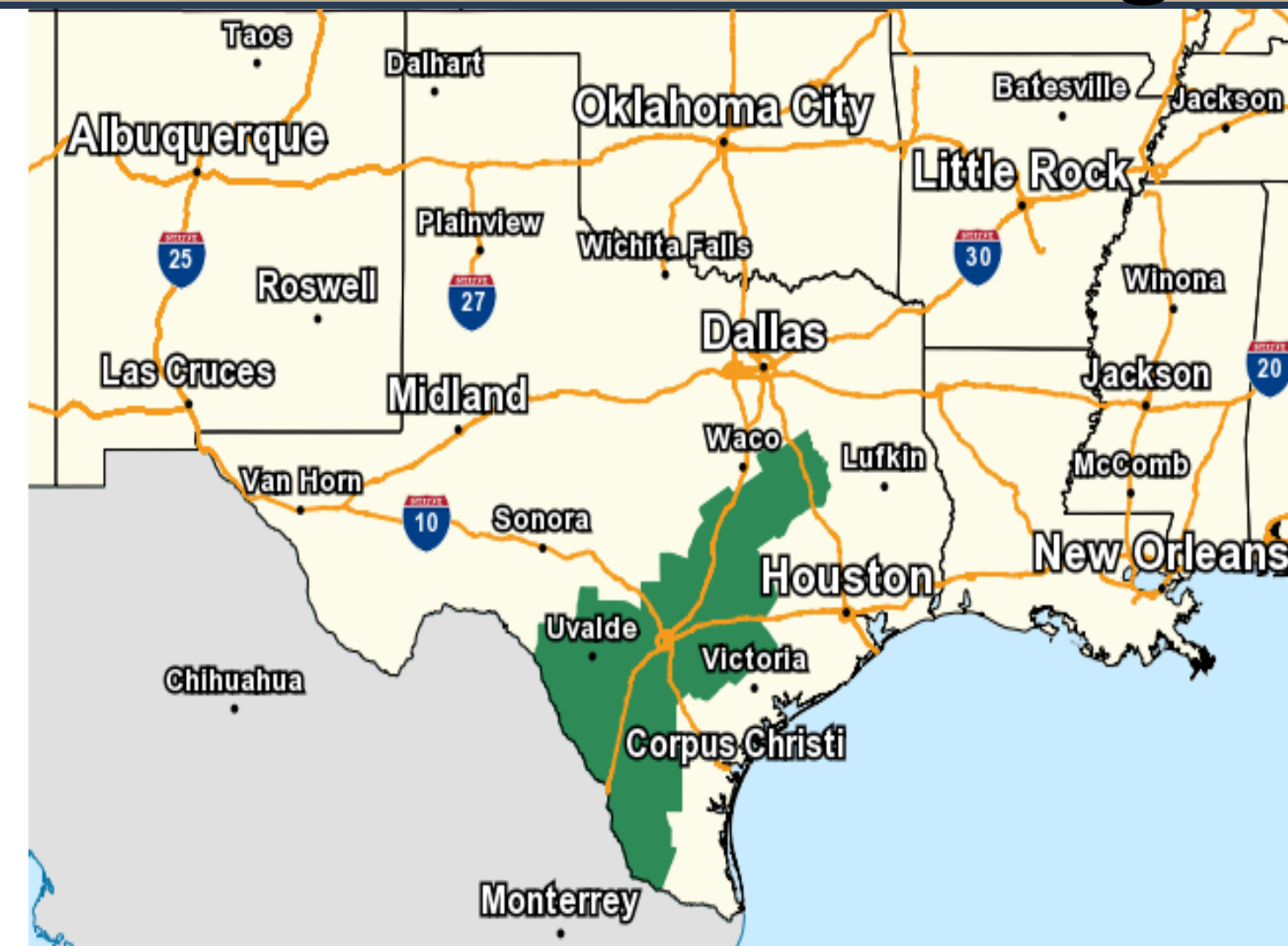
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## Fire Weather



Graphic Created

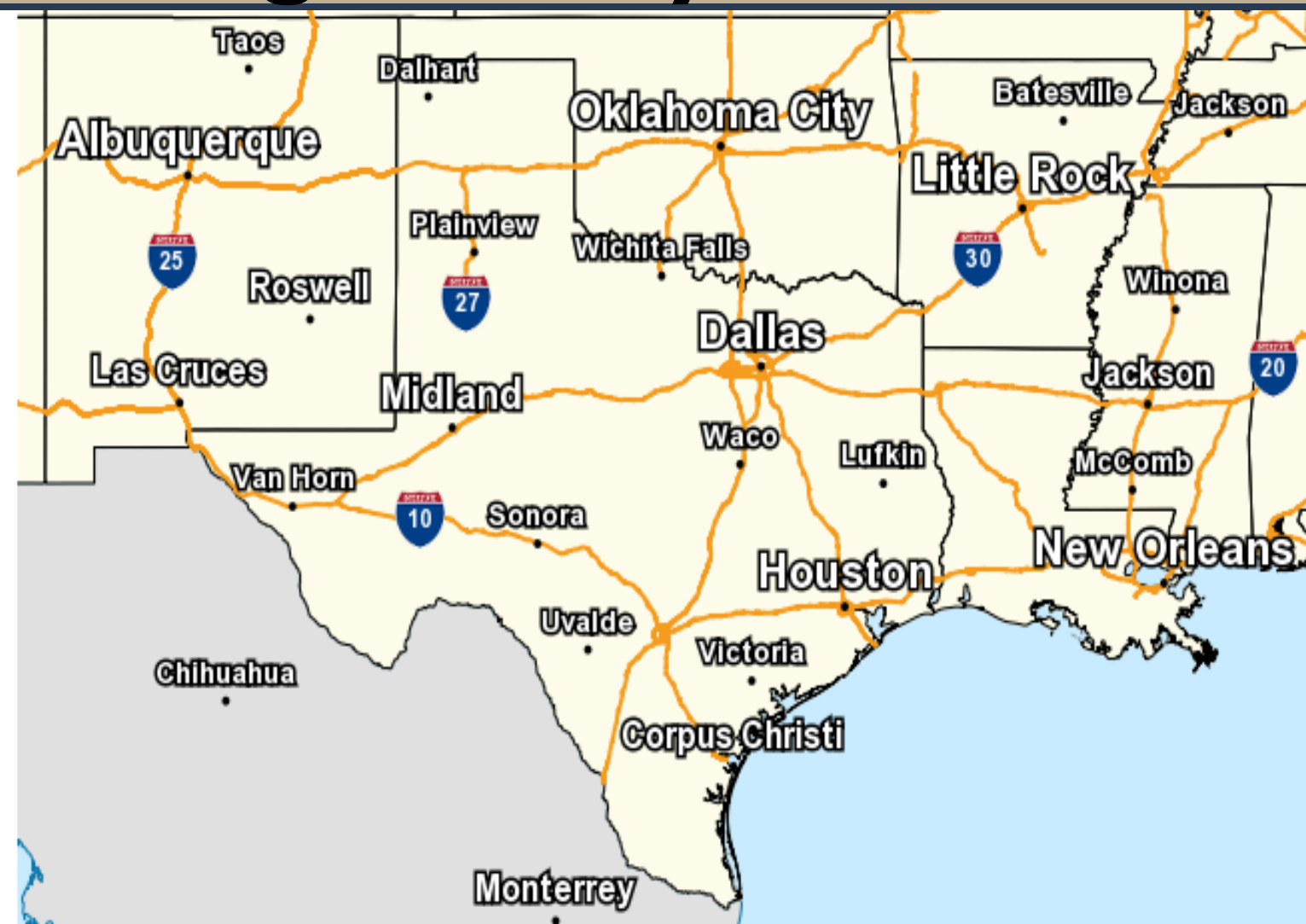
## Severe Weather & Flooding



Graphic Created

**Flash flood watches are in effect today for central and south TX.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created

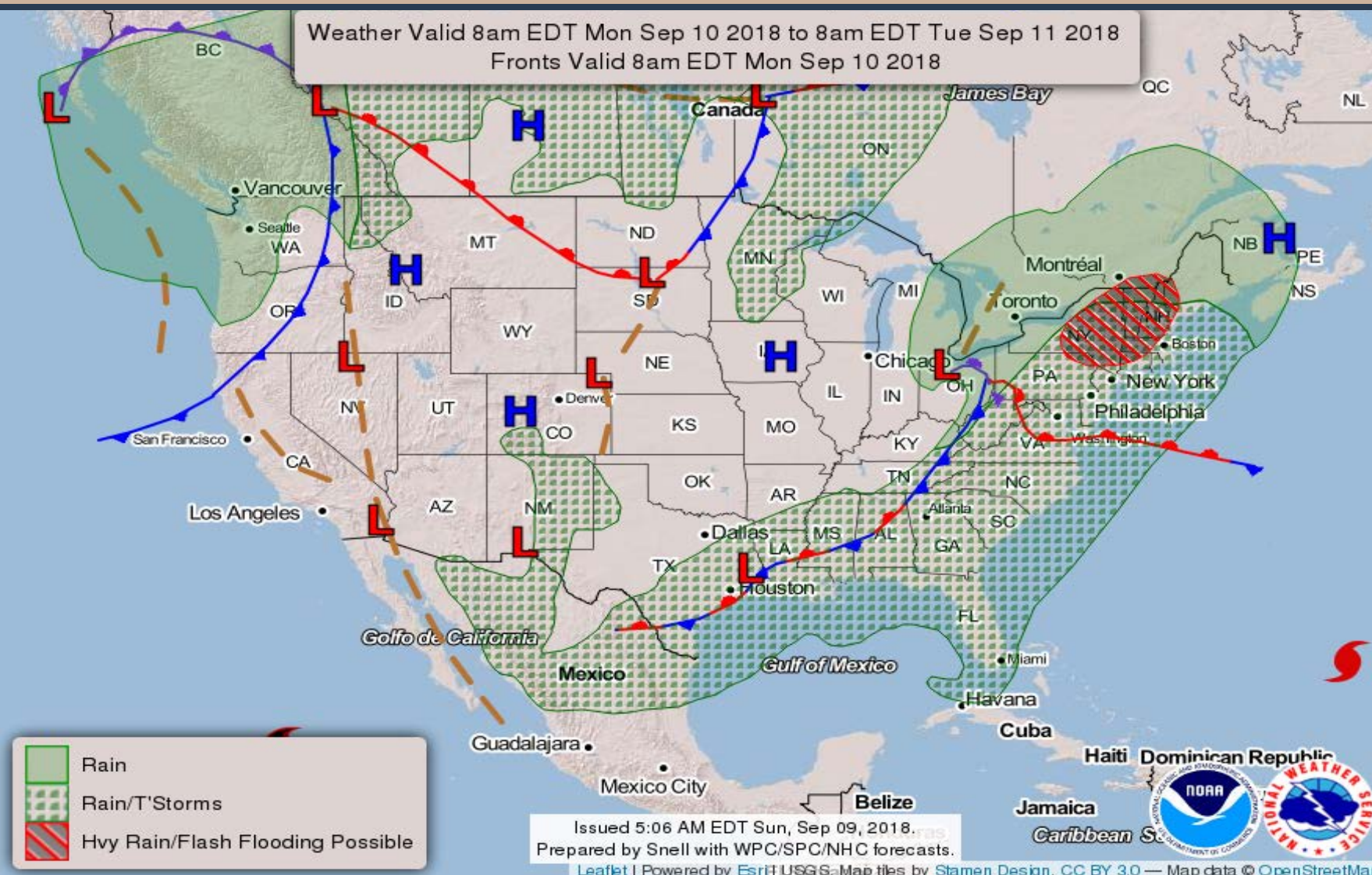


# Tomorrow's Weather

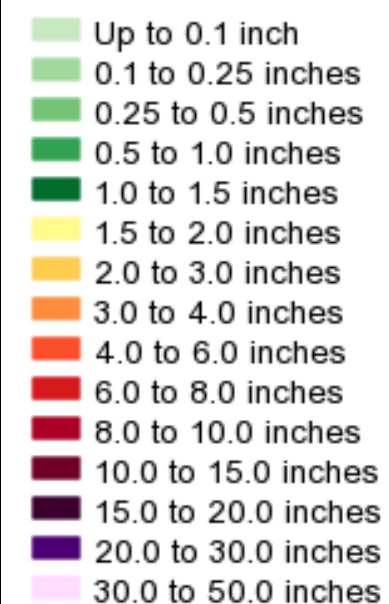


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## Forecast Chart

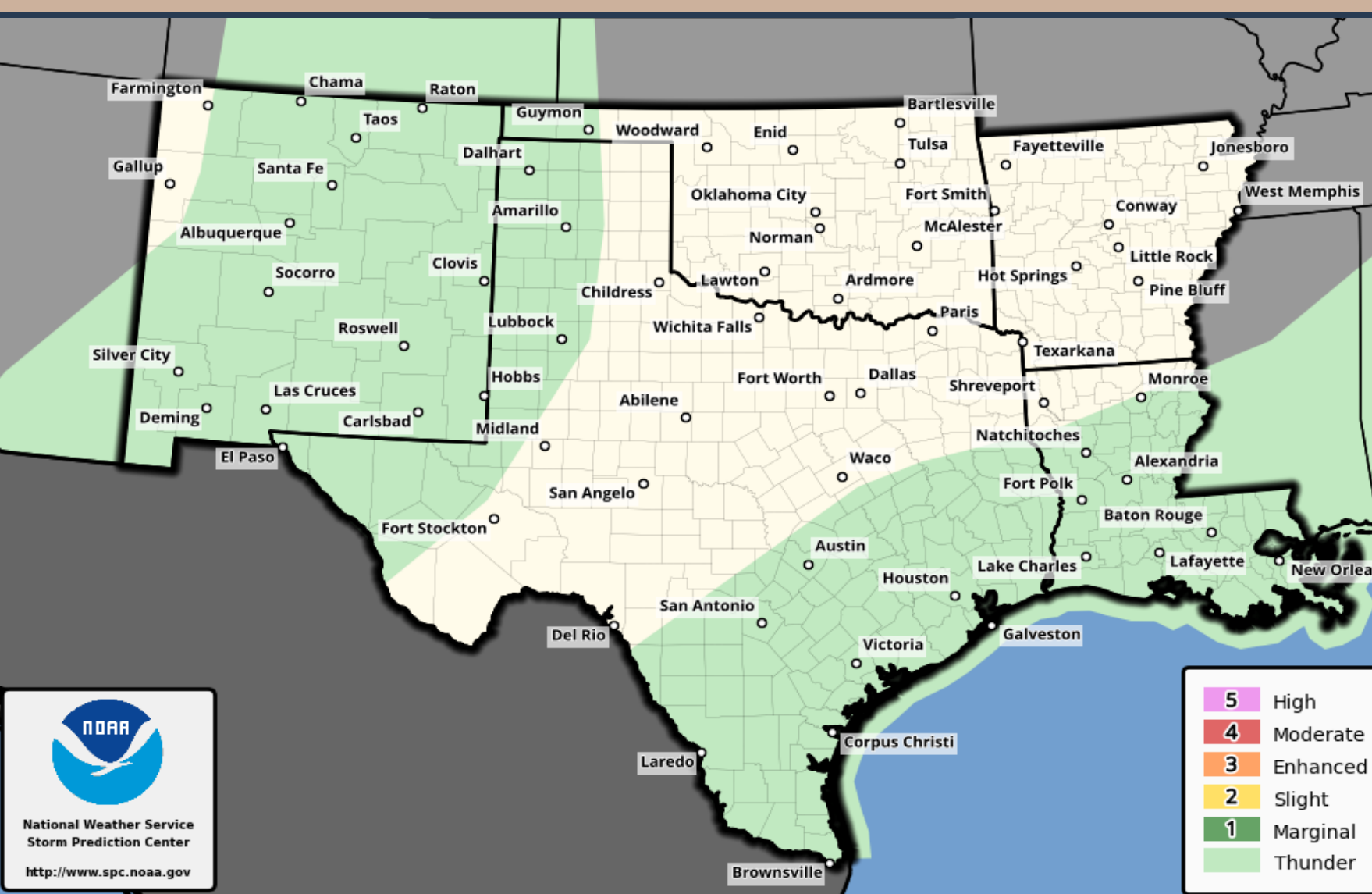


## Forecast Rainfall

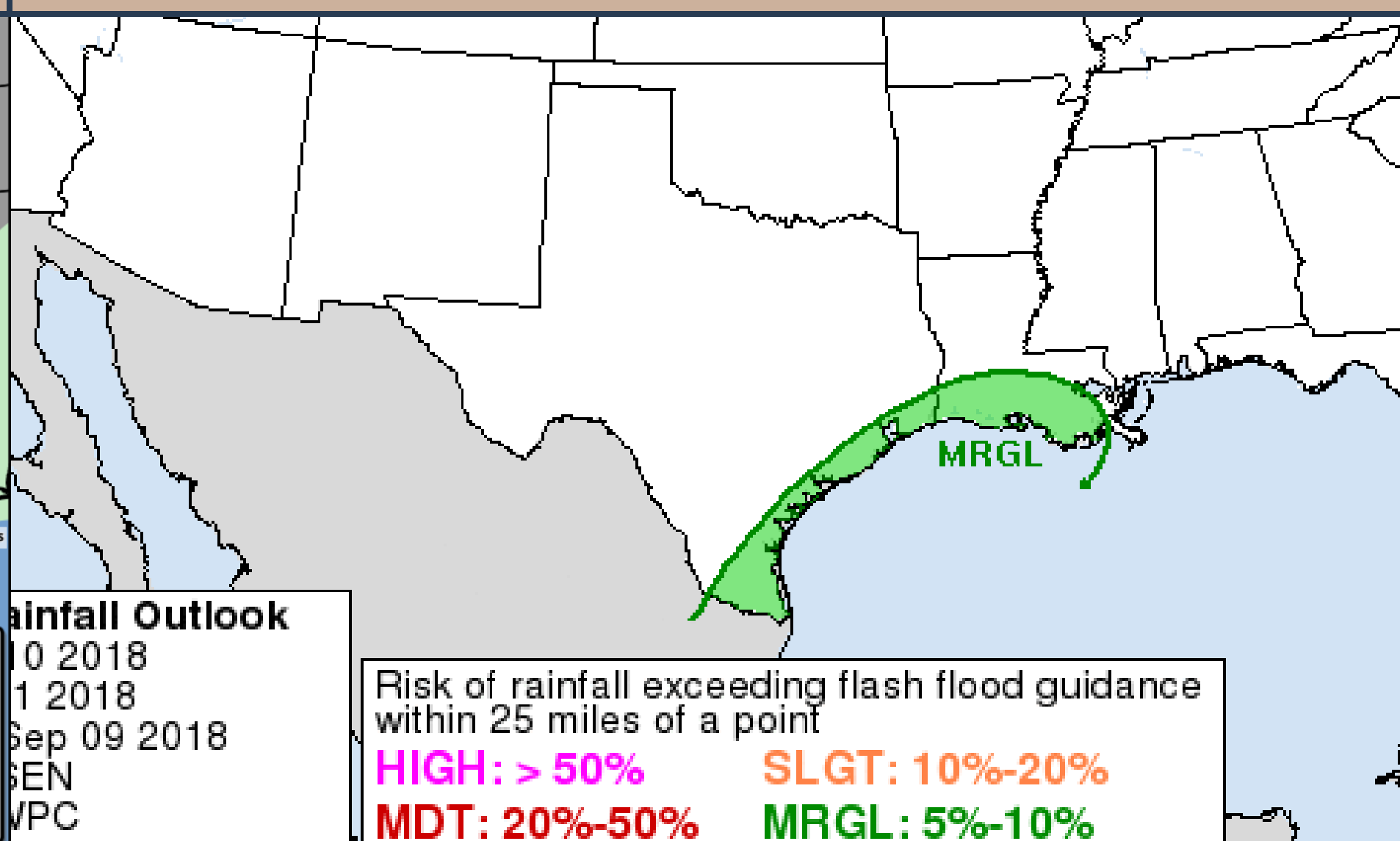


**Isolated areas of heavy rain/flash flooding possible along/near the TX/LA coasts.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



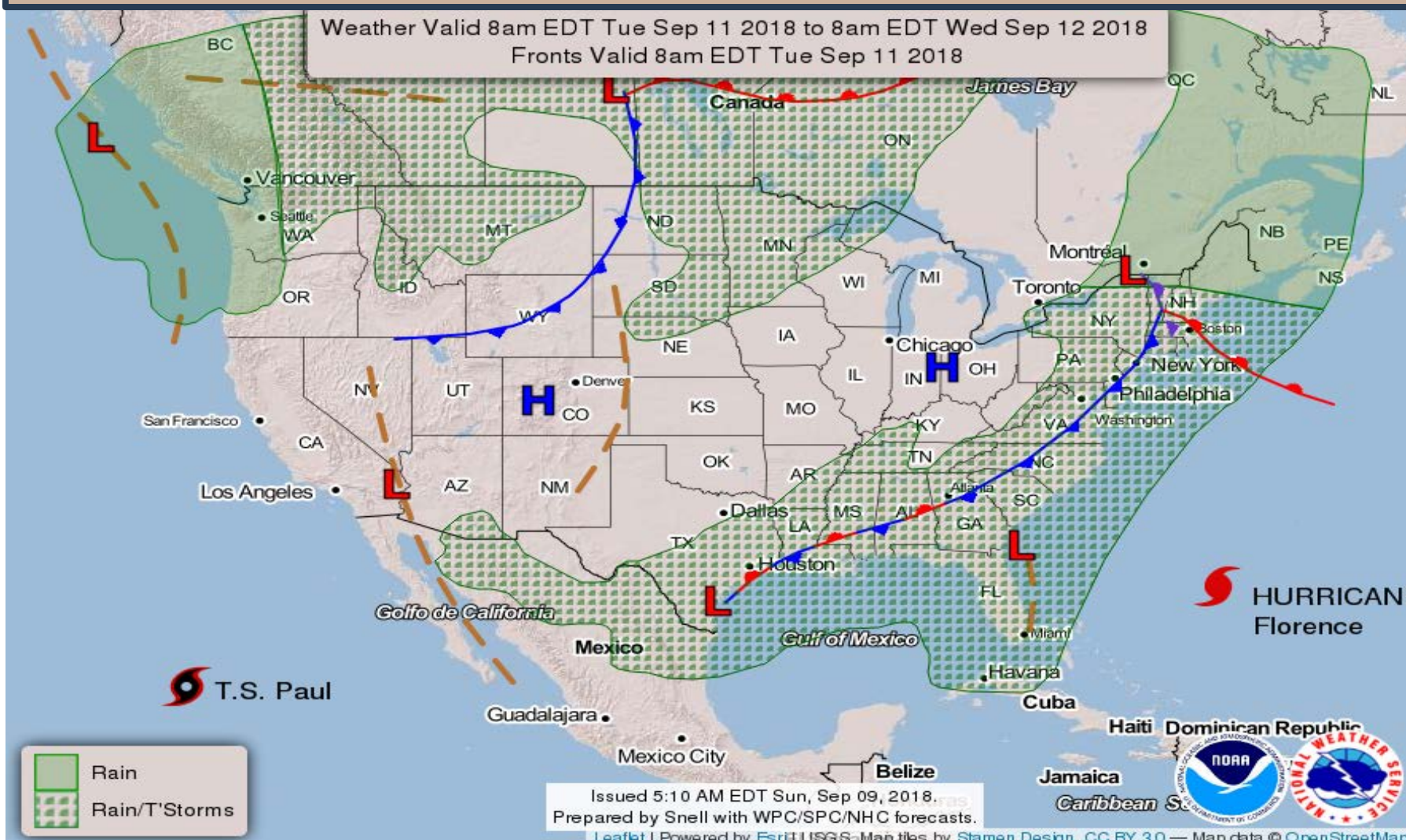


# Tuesday's Weather



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## Forecast Chart

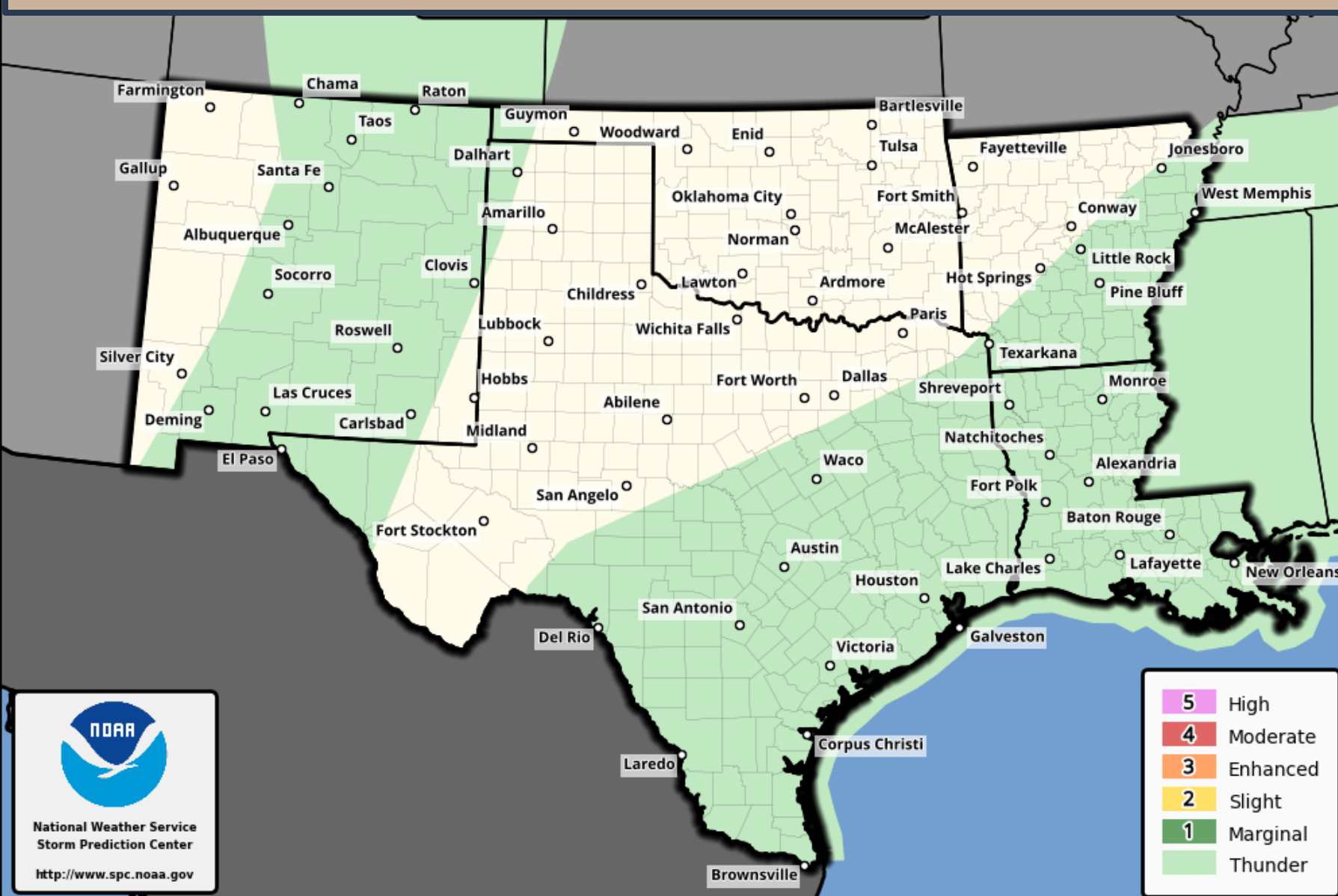


## Forecast Rainfall

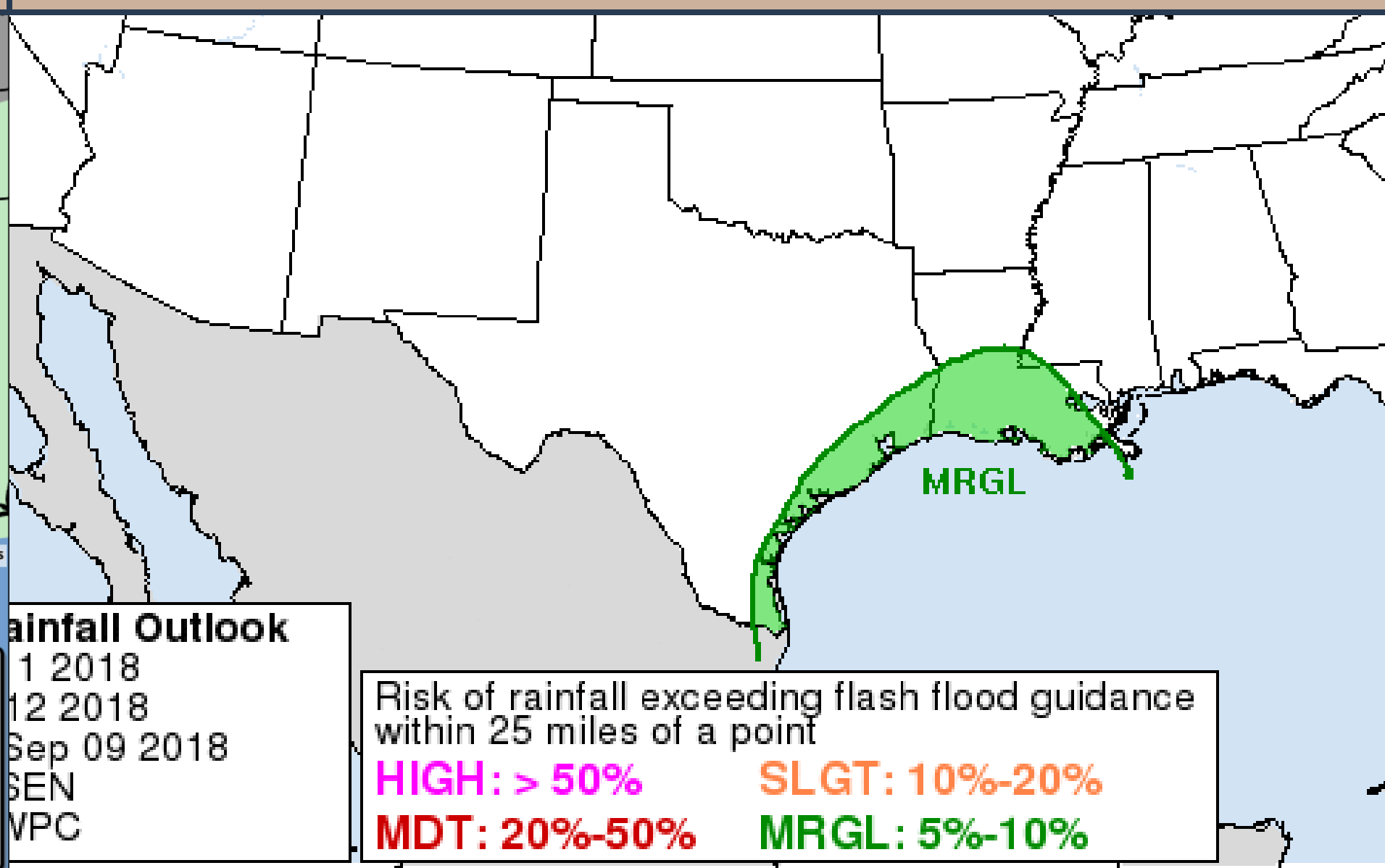


Isolated areas of heavy  
rain/flash flooding possible  
along/near the TX/LA coasts.

## Severe Weather Outlook



## Excessive Rainfall Outlook



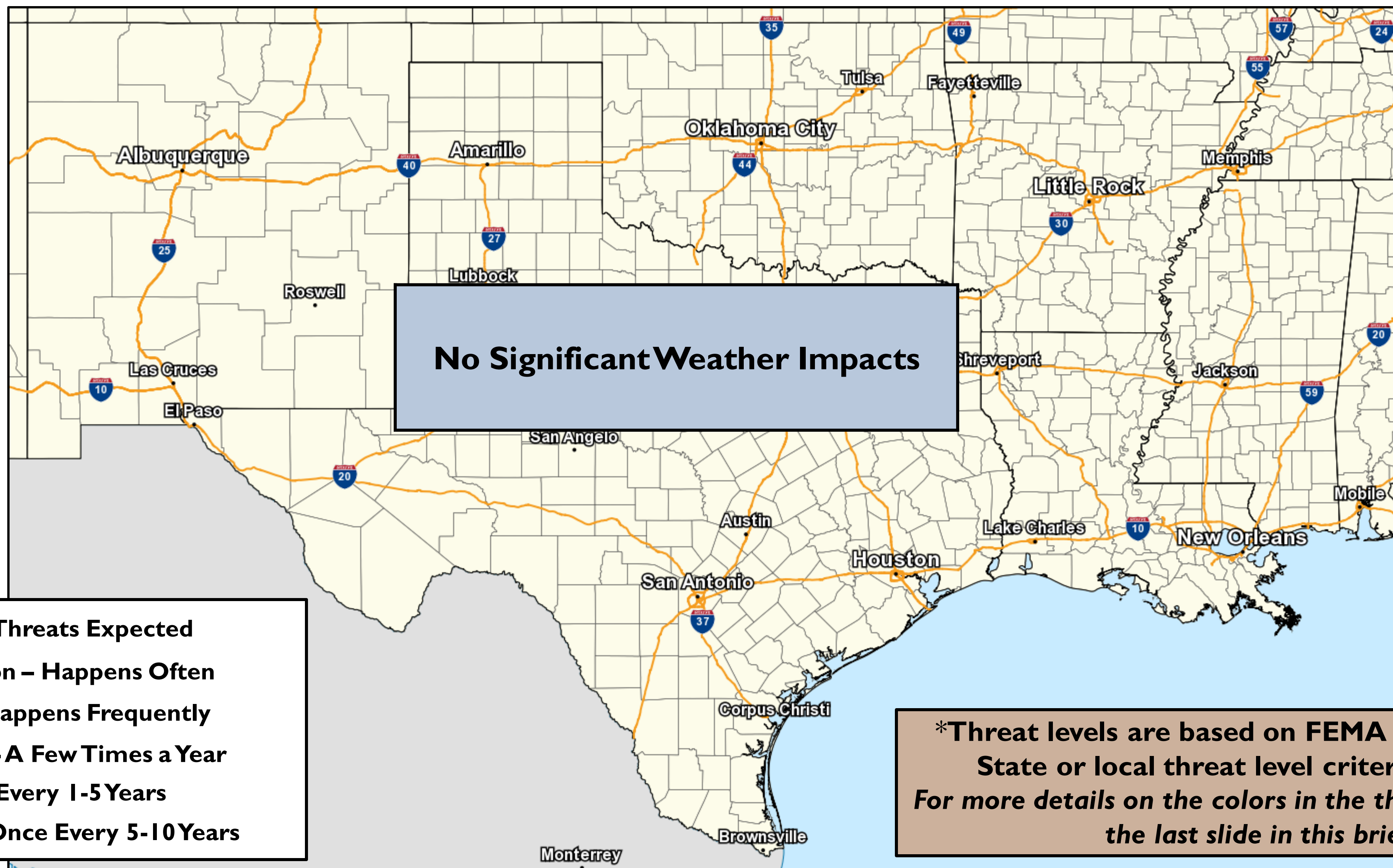


# Days 4-5 Weather Hazards

Wednesday - Thursday



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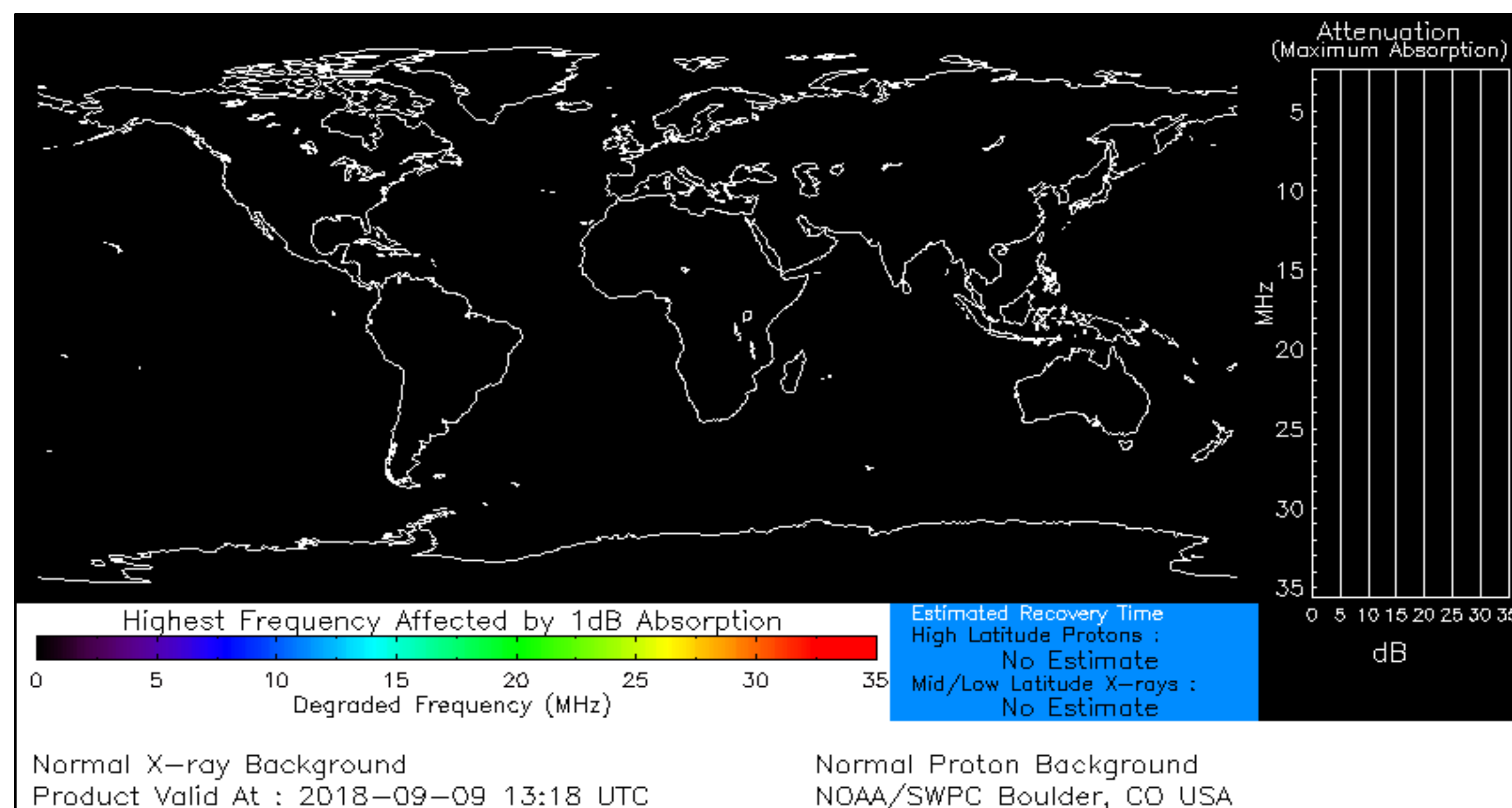


# Space Weather 3-Day Forecast



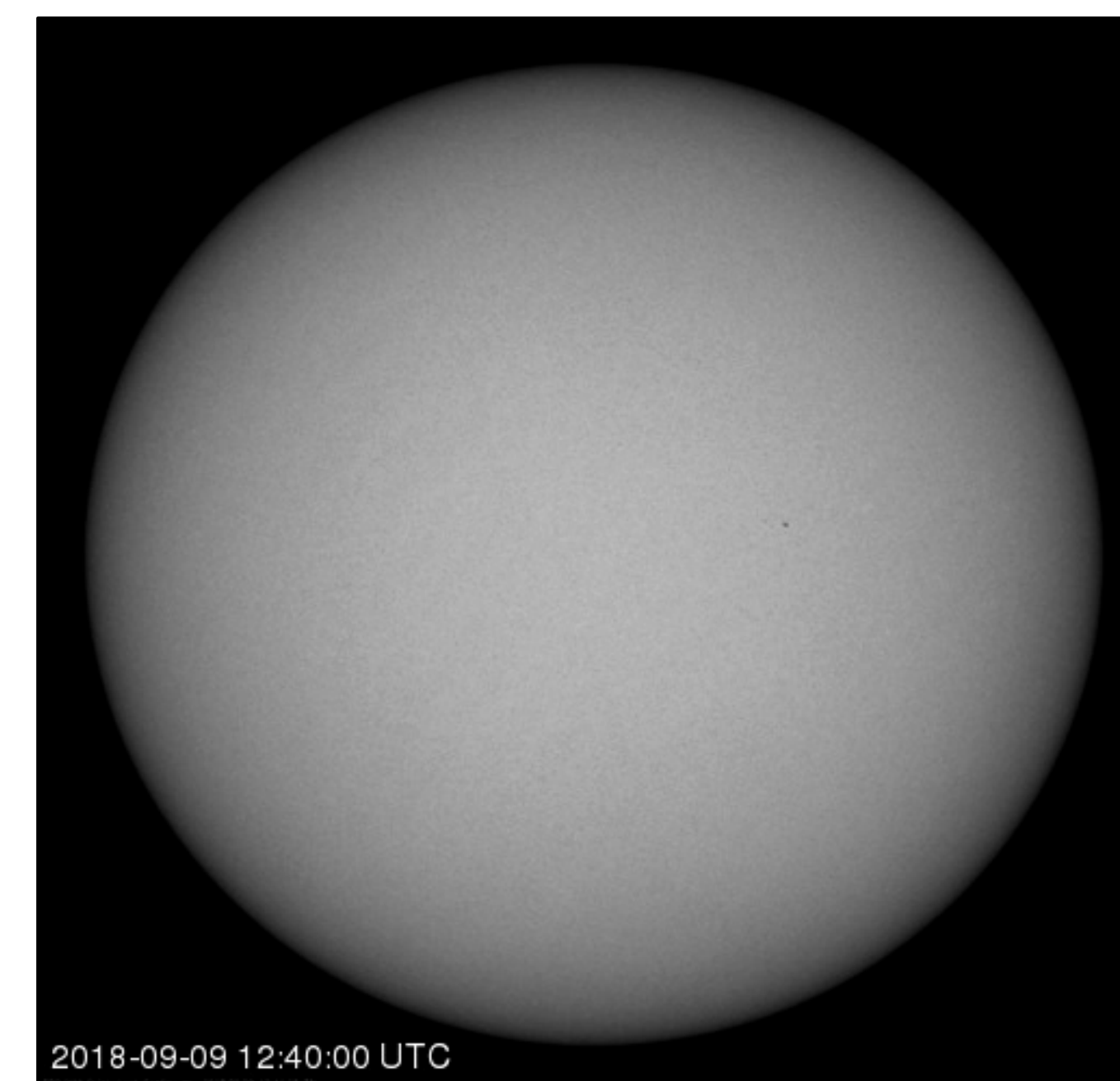
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	Sunday	Monday	Tuesday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp = 2)</b>	<b>Unsettled to Active (Max Kp = 4)</b>	<b>Minor (G1) Storm (Max Kp = 5)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







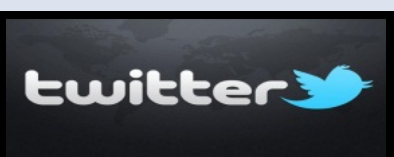
# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**